DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PURIFICATION OF OLIGOMERS

•			
the specification of which (cheek o	ne) is attached her	reto	
	X was filed on J	une 27, 1997	
	as application	Serial No. 08/883,712	
	and was amen	ded on:	
		(if applicable)	
I hereby state that I have claims, as amended by any amend		nts of the above-identified specificati	on, including the
I acknowledge the duty to accordance with Title 37, Code of		rial to the examination of this applic	ation in
patent or inventor's certificate list		d States Code, § 119 of any foreign below any foreign application for pate priority is claimed.	
Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	-
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit application(s) listed below: Provisional Application Number	under Title 35, United States Code	e § 119(e) of any United States provi	sional
(Number)	(Day/Month/Year Fi	iled)	
(Number)	(Day/Month/Year Fi	iled)	
Number)	(Day/Month/Year F	iled)	

Title: "PURIFICATION OF OLIGOMERS"

By: Brian S. Sproat Filed: June 27, 1997 DECLARATION

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	Status (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	Status (patented, pending, abandoned)

As named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Patrea L. Pabst	31,284
D. Andrew Floam	34,597
David S. Bradin	37,783
Collen A. Beard	38,824
Robert A. Hodges	P-41,074

Send Correspondence to:

Patrea L. Pabst, Esq.

ARNALL GOLDEN & GREGORY LLP

2800 One Atlantic Center 1201 W. Peachtree Street Atlanta, GA 30309-3450

Direct telephone calls to:

Patrea L. Pabst (404) 873-8794

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Brian S. Sproat	
nventor's signature RRAM	Date 22 (1)
Residence Am Antonsberg 10, 37139 Adelebsen, Germany Sitizenship British	
ost Office Address Am Antonsberg 10, 37139 Adelebsen, Germany	

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Brian S. Sproat

Serial No.:

08/883,712

Group Art Unit:

1656

Batch No.:

D82

Filed:

June 27, 1997

Examiner:

Houtteman, S.

For:

**PURIFICATION OF OLIGOMERS** 

# POWER OF ATTORNEY BY ASSIGNEE OF UNDIVIDED JOINT INTEREST AND REVOCATION OF PRIOR POWERS

As owner of an undivided joint interest of the above-identified patent application, as evidenced by the executed Statement Under 37 C.F.R. § 3.73(b) attached hereto, all powers of attorney previously given are hereby revoked and the following attorneys are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Patrea L. Pabst

Registration No. 31,284

Zhaoyang Li

Registration No. 46,872

Please send all correspondence relating to the above patent application to

Patrea L. Pabst ARNALL GOLDEN & GREGORY, LLP 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, Georgia 30309-3450 (404) 873-8794 - Telephone (404) 873-8795 - Telefax U.S.S.N. 08/883,712 Filed: June 27, 1997 POWER OF ATTORNEY BY ASSIGNEE OF UNDIVIDED JOINT INTEREST AND REVOCATION OF PRIOR POWERS

The undersigned signatory (whose titled is supplied below) is empowered to act on behalf of the assignee identified below, and has reviewed all the documents in the chain of title of the patent application and, to the best of undersigned's knowledge and belief, title is jointly held by the assignee and Yale University.

RIBOZYME PHARMACEUTICALS, INC.

Date: 5/8/0/	Date:	51	8/	01		
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Name: Alene Holzman

Title: V. P. Corporate Development

Signature: /

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STATEMENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner:Brian S. Sproat
Application No./Patent No.: 08/883,712 Filed/Issue Date: June 27, 1997
Entitled: PURIFICATION OF OLIGOMERS
Ribozyme Pharmaceuticals, Inc. a Corporation ,
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:
1. Let the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.  The extent (by, percentage) of its ownership interest is%
in the patent application/patent identified above by virtue of either:
A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
OR
B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
1. From: Brian S. Sproat To: Innovir Laboratories, Inc.
The document was recorded in the United States Patent and Trademark Office at  Reel 9488 , Frame 0580 , or for which a copy thereof is attached.  Ribozyme Pharmaceuticals, Inc. and
From: Innovir Laboratories, Inc.     To: Innovir Laboratories, Inc.     The document was recorded in the United States Patent and Trademark Office at
Reel 011437 , Frame 0183 , or for which a copy thereof is attached.
3. From: Innovir Laboratories, Inc. To: Yale University
The document was recorded in the United States Patent and Trademark Office at Reel 010660 , Frame 0330 , or for which a copy thereof is attached.
[ ] Additional documents in the chain of title are listed on a supplemental sheet.
[ ] Copies of assignments or other documents in the chain of title are attached.  [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.
Date Types of printed name
Jh /// /
V.P., Corporate Development

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## in the united states patent and trademark office

Abulicant

Brian S. Sproat

Serial No.:

08/883,712

Group Art Unit:

1656

Batch No.:

D82

Filed:

June 27, 1997

Examiner:

Housteman, S.

For:

PURIFICATION OF OLIGOMERS

## POWER OF ATTORNEY BY ASSIGNEE OF UNDIVIDED JOINT INTEREST AND REVOCATION OF PRIOR POWERS

As commend on undivided joint interest of the above-identified nature application, as evidenced by the executed Statement Juries 37 C.F.R. § 3.73(b) attached housin, all powers of attached previously given are heavily revoked and the following attached; are heavily appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Patrea L. Pabet
Zhaoyang Li

Registration No. 31,284
Registration No. 46,872

Please sand all correspondence relating to the above patent application to

Patres Li Pabsi
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2000 One Atlantic Conter
1201 West Possitive State, N.E.
Allants, Georgia 30309-3400
(404) \$17-8473 - Telephone
(404) 541-4489 - Fex

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U.S.N. OURS.712
Flist: http://doi.org/10.1007
POWER OF ATTORNEY BY ARTIGNEE
OF INTHIVIDED JUINT INTEREST AND
REVOCATION OF PRIOR POWERS

The undersigned signatory (whose titled is supplied below) is empowered to act on behalf of the assigner identified below, and has reviewed all the documents in the chain of title of the parent application and, to the best of undersigned's knowledge and belief, title is jointly held by the assignee and Ribozyme Pharmaceuticals, Inc.

YALE UNIVERSITY

Date: 6 21 0-1

Name: DOROTHY IC ROBINSON

TIME: VICE FIRETING ON AND GETTE CONSTELL

Signatura: Devotly 1' Roberts -

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STA	ENENT UNDER 37 CER 3.73(b)
Applicant/Patent Owner_ Brien S.	Sprbat
Application No./Petent No.: 08/883.71	2 Filed/issue Date: June 27, 1997
Entitled: PURIFICATION OF OLIGOM	ERS
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The document was recorded	To: Import Laboratories, Inc. and Rhowyme Pharmacountries, Inc. in the United States Patent and Tredemark Office at  10 0183 , or for which a copy thereof is attached,
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The undersigned (whose title is supplied b	elow) is sulfronzed to act on behalf of the essignee,
lefty/p1	DOROTHY K ROBINSON
Dete	Derosly KRefore
	VILLE PIZESIDEN AND GENERAL CONDITI

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JANUARY 28, 1999

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ARNALL GOLDEN & GREGORY, LLP PATREA L. PABST, ESQ. 2800 ONE ATLANTIC CENTER 1201 WEST PEACHTREE STREET ATLANTA, GA 30309-3450



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RECORDATION DATE: 09/02/1997

REEL/FRAME: 9488/0580

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SPROAT, BRIAN S.

DOC DATE: 07/23/1997

ASSIGNEE:

INNOVIR LABORATORIES, INC. 510 EAST 73RD STREET NEW YORK, NEW YORK 10021

SERIAL NUMBER: 08883712

PATENT NUMBER:

FILING DATE: 06/27/1997

ISSUE DATE:

ALLYSON PURNELL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

FEB 0 4 1999

PATENT DEPT.

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10-08-1998 FORM PTO U.S. Department of Commerce Expires 6/30/99 69169 Patent and Trademark Office OMB 0651-002 PATENT 100846446 RDATION FORM COVER SHEET PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copylies). Conveyance Type Submission Type Assignment Security Agreement New Change of Name Resubmission (Non-Recordation) License Document ID# Other **Correction of PTO Error** Merger **U.S.** Government Reel # Frame # (For Use ONLY by U.S. Government Agencies) **Corrective Document** Departmental File Secret File Frame # Reel # Mark if additional names of conveying parties attached Conveying Party(ies) **Execution Date** Month Day Year 07231997 Name (line 1) Sproat, Brian S. Name (line 2) **Execution Date** S cond Party Name (line 1) Name (line 2) Mark if additional names of receiving parties attached **Rec iving Party** If document to be recorded is Name (line 1) Innovir Laboratories, Inc. an assignment and the receiving party is not domiciled Name (line 2) in the United States, an appointment of a domestic representative is attached. Address (line 1) 510 East 73rd Street (Designation must be a separate document from Address (line 2) Assignment.) 10021 NY - USA Address (line 3) **New York** Zip Code State/Country Enter the first Receiving Party only. **Domestic Representative Name and Address** Name Address (line 2) Address (line 3) Address (line 4) FOR OFFICE USE ONLY

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Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice, DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

FORM PTO-1619A

Page 2

U.S. Department of Commerce

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Name	Patrea L. Pa	bst, Esq.							
Address (line 1)	Arnall Golde	en & Greg	ory, LLP						
Address (line 2)	2800 One At	lantic Cer	nter						
Address (line 3)	1201 West P	eachtree	Street						
Address (line 4)	Atlanta, GA	30309-34	50						
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Patrea L. Pabst, E				di	_			August 27	
Name of	Person Signir	ng		S	ignature			Da	te

### ASSIGNMENT

I, Brian S. Sproat of Am Antonsberg 10, 37139 Adelebsen, Germany, in consideration of Five Dollars and other valuable consideration paid to me by Innovir Laboratories, Inc., a corporation of New York having its principal place of business at 510 E. 73rd Street, New York, New York 10021, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Innovir Laboratories, Inc., its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "Purification of Oligomers" described in U.S. Serial No. 08/883, 712 filed June 27, 1997, by Brian S. Sproat, inventor in the United States Patent and Trademark Office, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executor and administrator, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation. its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereou to said corporation, its successors and assigns.

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_ July 23 \_\_\_, 1997.

~1
8881000
Brian S Sproat



#### UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

MARCH 30, 2001

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ARNALL GOLDEN & GREGORY, LLP PATREA L. PABST, ESQ. 2800 ONE ATLANTIC CENTER 1201 WEST PEACHTREE STREET ATLANTA, GA 30309-3450

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RECORDATION DATE: 01/02/2001

REEL/FRAME: 011437/0183

NUMBER OF PAGES: 6

BRIEF:

CORRECTIVE ASSIGNMENT TO ADD SECOND ASSIGNEE ERRONEOUSLY OMITTED

ON REEL 010249 FRAME 0439.

ASSIGNOR:

INNOVIR LABORATORIES, INC.

DOC DATE: 08/09/1999

ASSIGNEE:

RIBOZYME PHARMACEUTICALS, INC. 2950 WILDERNESS PLACE

BOULDER, COLORADO 80301

ASSIGNEE:

INNOVIR LABORATORIES, INC. 2751 CENTERVILLE ROAD, SUITE 210 LITTLE FALLS II WILMINGTON, DELAWARE 19808

SERIAL NUMBER: 08883712

PATENT NUMBER:

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APR 0 5 2001

PATENT DEPT.

FILING DATE: 06/27/1997

ISSUE DATE:

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011437/0183 PAGE 2

PAULA MCCRAY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

**U.S. Department of Commerce** FORM PTO-1619A **Patent and Trademark Office** Expires 06/30/99 01-23-2001 **PATENT** OMB 0651-0027 1.2.01 R 101590870 **HEET** PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Conveyance Type Submission Type **Assignment Security Agreement** New -**Resubmission (Non-Recordation)** License Change of Name Document ID# **Correction of PTO Error** Other Merger Frame # Reel # U.S. Government (For Use ONLY by U.S. Government Agencies) **C** rrective Document Reel # 010249 0439 Frame # Departmental File Secret File \_ Conveying Party(ies) Mark if additional names of conveying parties attached **Execution Date** Month Day Year Name (line 1) 08091999 Innovir Laboratories, Inc. Name (line 2) **Execution Date** Month Day Year Second Party Name (line 1) Name (line 2) Receiving Party Mark if additional names of receiving parties attached If document to be recorded Ribozyme Pharmaceuticals, Inc. Name (line 1) is an assignment and the receiving party is not domiciled in the United Name (line 2) States, an appointment of a domestic representative is attached. Address (line 1) 2950 Wilderness Place (Designation must be a separate document from Address (line 2) Assignment.) 80301 Address (line 3) Boulder Colorado City State/Country Zip Code **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) FOR OFFICE USE ONLY

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FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

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Receiving Par	ty(ies) Mark if additional names of receiving	parties attached
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Address (line 1)	2751 Centerville Road, Suite 210	of a domestic representative is attached. (Designation must be a separate document from
Address (line 2)	Little Falls II	Assignment.)
Address (line 3)		808 Zip Code
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Address (line 1)		domestic representative is attached. (Designation must be a separate document from
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08883712	tent Application Number(s) Patent	Number(s)

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## Page 2

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OMB 0651-0027 PATENT
Correspondent Name and Address Area Code and Telephone Number (404) 873-8794
Name Patrea L. Pabst, Esq.
Address (line 1) Arnall Golden & Gregory, LLP
Address (line 2) 2800 One Atlantic Center
Address (line 3) 1201 West Peachtree Street
Address (line 4) Atlanta, GA 30309-3450
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Application Number(s) or Patent Number(s) Mark if additional numbers attached
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08883712
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Patent Cooperation Treaty (PCT)
Enter PCT application number  PCT
only if a U.S. Application Number PCT PCT PCT
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Number of Properties  Enter the total number of properties involved. # 1
Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00
Method of Payment: Enclosed X Deposit Account X Deposit Account
(Enter for payment by deposit account or if additional fees can be charged to the account.)  Deposit Account Number: # 01-2507
Authorization to charge additional fees: Yes X No
Statement and Signature
To the best of my knowledge and belief, the foregoing information is true and correct and any
attached copy is a true copy of the original document. Charges to deposit account are authorized, as
indicated herein.
Robert A. Hodges 12/28/00
Name of Person Signing Signature Date
Reg. No.: 41,074

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RECOR THE	This can and trademark Office	
Docket No. 245/199		
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Jan 9: 14	1.152495 ing party:	
Innovir Laboratories, Inc.	Name: Ribozyme Pharmaceuticals, Inc.	
OPR/FINANCE		
9,21,99	Street Address: 2950 Wilderness Place	
Additional name(s) of conveying party(ies) attached?	City: Boulder State: CO Zip: 80301	
☐ Yes ☑ No	City: Boulder State: CO Zip: 80301	
3. Nature of conveyance:	Additional name(s) & address(es) attached?  Yes No	
Norman D. Marson		
Other		
Execution Date: 9 August 1999	_	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new	application, the execution date of the application is:	
A. Patent Application No(s). 08/883,712	B. Patent No(s).:	
Additional numbers	s attached? Tyes No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
document snould be mailed:	7. Total fee (37 CFR 3.41): \$40.00	
Name: Richard J. Warburg	7. Ioda fee (37 CFR 3.41). \$ 40.00	
	Z 2	
Internal Address: LYON & LYON LLP	Charge this Deposit Account if any additional fee is required	
633 West Fifth Street, Suite 4700 Los Angeles, CA 90071-2066	9 D	
· ·	8. Deposit Account Number: 12-2475	
DO NOT	USE THIS SPACE	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing informati document.	on is true and correct and any attached copy is a true copy of the original	
document.	- <del>- 1</del> 1	
6203 Offin	Date: 16 Septenly 1999	
Wesley B. Ames, Reg. No. 40,893		
Total number of pages including cover sheet: 3		
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OMB No. 0651-0011 (exp. 4/94)		
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Mail documents to be recorded with required cover sheet inform	nation to:  Patents and Trademarks	
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\	gton, D.C. 20231	
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	to average about 30 minutes per document to be recorded, including time for	
reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the		
Office of Management and Budget, Paperwork Reduction Project		

### **ASSIGNMENT**

Innovir Laboratories, Inc., a corp ration of the State of Delaware, having its principal place of business at 2751 Centerville Road, Suite 210, Little Falls II, Wilmington, Delaware 19808, in consideration of ten dollars and other valuable consideration paid to it by Ribozyme Pharmaceuticals, Inc., a corporation of the State of Delaware, having its principal place of business at 2950 Wilderness Place, Boulder, Colorado 80301, and Innovir Laboratories, Inc., a corporation of the State of Delaware, having its principal place of business at 2751 Centerville Road, Suite 210, Little Falls II, Wilmington, Delaware 19808, the receipt of which is hereby acknowledged, does hereby sell, assign and transfer a joint and undivided interest to said Ribozyme Pharmaceuticals, Inc. and Innovir Laboratories, Inc., their successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "Purification of Oligomers" described in U.S. Application Serial No. 08/883,712 filed in the United States Patent and Trademark Office on June 27, 1997, by Brian S. Sproat, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said listed invention, or any parts thereof, or on said application, or any provisional, divisional, continuation, continuation-in-part, reissue, or other applications based in whole or in part thereon, and including the right to pursue and recover past damages for infringement thereof. And Innovir Laboratories, Inc. agrees, for itself and its successors and assigns, with said corporations and their successors and assigns, but at their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent, and to recover for patent infringement of the Patent, in the United States and its territories and in all other foreign countries and jurisdictions to said corporations, with specifications and claims in such form as shall be approved by the counsel of said corporations, and to vest and confirm in said corporations, their successors and assigns, the legal title to all such patents.

U.S.S.N.: 08/883,712 Filed: June 27, 1997 ASSIGNMENT

And I do hereby authorize and reques Trademarks of the United States to issue such application or applications based thereon to s	Letters Patent as shall be gra- aid corporations, their success	nted upon said ors and assigns.
WITNESS my hand and seal this $\frac{\widehat{q}^{\prime}}{2}$	day of August	, 1999.
	INNOVIR LABORATOR	IES, INC.
	David la Jacks  By (name): DAVID A	íon.
	By (name): DAVID A	. JACKSON
	Title: <u>CHAIRMAN</u>	
State of Delaware  County of New Castle  Then personally appeared the above empowered to act on behalf of assignor Innoforegoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose for going instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose foregoing instrument to be his/her free act a hose for going instrument to be his/her free act a hose for going instrument to be his/her free act a hose for going instrument to be his/her free act a hose for going instrument to be his/her foregoing instrument.	named <u>David A. Jau</u> vir Laboratories, Inc., and ack	لدينم, agent nowledged the
	Snowld	m
	Notary Pul	olic
My Commission expires: $\frac{3/7/2001}{}$		

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Brian S. Sproat

Serial No.:

08/883,712

Group Art Unit:

1656

Filed:

June 27, 1997

Examiner:

Houtteman, S.

For:

PURIFICATION OF OLIGOMERS

U.S. Patent and Trademark Office Assignment Division Box Assignments, CG-4 1213 Jefferson Davis Highway Suite 320 Washington, D.C. 20231

# REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT --- APPLICANT'S ERROR

Sir:

Applicant respectfully requests a corrected Notice of Recordation of Assignment for the Assignment recorded September 21, 1999, at Reel 010249, Frame 0439, in the above-identified application. Applicant erroneously listed only one Receiving Party, Ribozyme Pharmaceuticals, Inc. on Form PTO-1595. There should be <u>two</u> Receiving Parties, Ribozyme Pharmaceuticals, Inc. <u>and</u> Innovir Laboratories, Inc.

Applicant has enclosed a corrective Form PTO-1619A-C, with attached copies of the (a) Notice of Recordation of Assignment recorded September 21, 1999, at Reel 010249, Frame 0439, with the correction noted in red, (b) executed Form PTO-1595, (c) executed

- 1 -

U.S.S.N.: 08/883,712 Filed: June 27, 1997

REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT — APPLICANT'S ERROR

Assignment from Innovir Laboratories, Inc. to Ribozyme Pharmaceuticals, Inc. and Innovir Laboratories, Inc., and (d) check in the amount of \$40.00 for the recordation fee.

Respectfully submitted,

Robert A. Hodges Reg. No. 41,074

Date: December 28, 2000

ARNALL GOLDEN & GREGORY, LLP 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, GA 30309-3450 (404) 873-8796 (404) 873-8797 (fax)



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

DECEMBER 06, 1999

PTAS

LYON & LYON LLP RICHARD J. WURBURG 633 WEST FIFTH STREET, SUITE 4700 LOS ANGELES, CA 90071-2066



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/21/1999

REEL/FRAME: 010249/0439

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

INNOVIR LABORATORIES, INC.

DOC DATE: 08/09/1999

ASSIGNEE:

RIBOZYME PHARMACEUTICALS, INC. 2950 WILDERNESS PLACE BOULDER, COLORADO 80301

SERIAL NUMBER: 08883712

OFFICE OF PUBLIC RECORDS

PATENT NUMBER:

FILING DATE: 06/27/1997

ISSUE DATE:

ASSIGNEE:

INNOVIR LABORATORIES, INC.

2751 CENTERVILLE ROAD

SUITE 210, LITTLE FALLS IT.

WILMINGTON, DELAWARE 19808

KIMBERLY WHITE, EXAMINER

ASSIGNMENT DIVISION

RECEIVED

DEC 2 7 1999

DEC 1 4 1999



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

JULY 25, 2000

PTAS

ARNALL GOLDEN & GREGORY LLP PATREA L. PABST, ESQ. 2800 ONE ATLANTIC CENTER 1201 WEST PEACHTREE STREET ATLANTA, GA 30309-3450



CORRECTED NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 03/06/2000

REEL/FRAME: 010660/0330

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

INNOVIR LABORATORIES, INC.

DOC DATE: 01/24/2000

ASSIGNEE:

YALE UNIVERSITY
451 COLLEGE STREET
NEW HAVEN, CONNECTICUT 06511

SERIAL NUMBER: 08883712

PATENT NUMBER:

FILING DATE: 06/27/1997

ISSUE DATE:

RECEIVED

AUG 0 7 2000

PATENT DEPT.

ANNE HARRELL, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

DOCKETED FOR ILI 125
BY JSH
DATE 8-10-DA

FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 07-25-2000



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U.S. Department of Commerce Patent and Trademark Office PATENT

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## RECORDATION FORM COVER SHEET

PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Conveyance Type Submission Type **X** Assignment X **Security Agreement** New **Resubmission (Non-Recordation)** License Change of Name **Document ID#** Correction of PTO Error Merger Other Reel # Frame # U.S. Government (For Use ONLY by U.S. Government Agencies) **Corrective Document** Departmental File **Secret File** Reel # Frame # Mark if additional names of conveying parties attached Execution Date

Month Day Year Conveying Party(ies) 01242000 Name (line 1) Innovir Laboratories, Inc. Name (line 2) Execution Date Month Day Second Party Name (line 1) Name (line 2) Mark if additional names of receiving parties attached Receiving Party If document to be recorded Yale University Name (line 1) is an assignment and the receiving party is not domiciled in the United Name (line 2) States, an appointment of a domestic representative is attached. Address (line 1) 451 College Street (Designation must be a separate document from Assignment.) Address (line 2) 06511 Connecticut Address (line 3) New Haven State/Country **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) FOR OFFICE USE ONLY 04/07/2000 JSHABAZZ 00000256 08837712 01 fC:581 40.00 GP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information fficer, Washington, D.C. 20231 and to the Office of Information and Regulayory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Materia and Trademark Assignment Practice. DO NOT SEND REQUESTS TO REC RD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

FORM	PTO-1619B
Expires 06/	
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## Page 2

U.S. Department of Commerce Patent and Trademark Office PATENT

OMB 0651-0027	PATENT
Corresponde	ent Name and Address  Area Code and Telephone Number (404) 873-8794
Name	Patrea L. Pabst, Esq.
Address (line 1)	Arnall Golden & Gregory, LLP
Address (line 2)	2800 One Atlantic Center
Address (line 3)	1201 West Peachtree Street
Address (line 4)	Atlanta, GA 30309-3450
Pages	Enter the total number of pages of the attached conveyance document including any attachments.
<b>Application</b>	Number(s) or Patent Number(s) Mark if additional numbers attached
Enter either th	he Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).
Pat	tent Application Number(s) Patent Number(s)
08883712	
	is being filed together with a <u>new</u> Patent Application, enter the date the patent application was Month Day Year est named executing inventor.
Patent Coop	peration Treaty (PCT)
Ente	er PCT application number
	y if a U.S. Application Number PCT PCT PCT
<del></del>	not been assigned.
Number of F	Enter the total number of properties involved. # 1
Fee Amoun	Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00
	of Payment: Enclosed 🔀 Deposit Account 🗴
(Enter for	pr payment by deposit account or if additional fees can be charged to the account.)  Deposit Account Number: # 01-2507
	Authorization to charge additional fees: Yes X No No
Statement a	and Signature
	e best of my knowledge and belief, the foregoing information is true and correct and any
	hed copy is a true copy of the original document. Charges to deposit account are authorized, as
ındıca	ated herein.
Robert	t A. Hodges ————————————————————————————————————
	e of Person Signing Signature Date
ı <b>Heq</b>	7. No.: 41,074

### **ASSIGNMENT**

Innovir Laboratories, Inc., a corporation of the State of Delaware, having its principal place of business at 2751 Centerville Road, Suite 210, Little Falls II, Wilmington, Delaware 19808, in consideration of ten dollars and other valuable consideration paid to it by Yale University, a corporation of the State of Connecticut, having its principal place of business at 451 College Street, New Haven, Connecticut 06511, the receipt of which is hereby acknowledged, does hereby sell, assign and transfer unto said Yale University, its successors and assigns, its joint and undivided interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "Purification of Oligomers" described in U.S. Application Serial No. 08/883,712 filed in the United States Patent and Trademark Office on June 27, 1997, by Brian S. Sproat, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said listed invention, or any parts thereof, or on said application, or any provisional, divisional, continuation, continuation-in-part, reissue, or other applications based in whole or in part thereon, and including the right to pursue and recover past damages for infringement thereof. And Innovir Laboratories, Inc. agrees, for itself and its successors and assigns, with said corporation and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments. and to do all acts necessary or proper to secure the grant of Letters Patent, and to recover for patent infringement of the Patent, in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation, and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

"Purification of Oligomers" By: Brian S. Sproat U.S.S.N.: 08/883,712 Filed: June 27, 1997 ASSIGNMENT

And Innovir Laboratories, Inc. does hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns. WITNESS my hand and seal this 24 day of \_ INNOVIR LABORATORIES, INC. David A. Jackson By:\_ Title: Chairman State of Delaware New Castle County of Then personally appeared the above named \_\_\_\_\_ David A. Jackson authorized agent empowered to act on behalf of assignor Innovir Laboratories, Inc., and acknowledged the foregoing instrument to be his/her free act and deed, before me this 24th day of January \_, 2000.

My Commission expires: \_\_\_\_